

Kuskokwim River Salmon Management Working Group

1 (800) 315-6338 (MEET) Code: 58756# (KUSKO)

Meeting Agenda

Date: **Monday, June 27, 2011**

Time: **10:00 am**

Place: **Bethel**

Time Called to Order

Chair

Time Adjourned

ROLL CALL TO ESTABLISH QUORUM:

QUORUM MET? Yes / No

Upriver Elder:

Processor:

Downriver Elder:

Member at Large:

Commercial Fisher:

Sport Fisher:

Lower River Subsistence:

Western Interior RAC:

Middle River Subsistence:

Y-K Delta RAC:

Upper River Subsistence:

ADF&G:

Headwaters Subsistence:

INTRODUCTIONS:

INVOCATION:

APPROVAL OF AGENDA:

PEOPLE TO BE HEARD:

CONTINUING BUSINESS:

1. Subsistence Reports:
 - a. Lower River:
 - b. ONC Inseason Subsistence:
 - c. Middle River:
 - d. KNA Inseason Subsistence:
 - e. Upper River:
 - f. Headwaters:
2. Overview of Kuskokwim River salmon run assessment projects:
 - a. Bethel Test Fish
 - b. Weirs/Sonar/Mark-Recapture/Aerial Surveys/Other:
3. Commercial Catch Report:
4. Processor Report:
5. Sport Fish Report:
6. Weather Forecast:
7. Recommendation:
8. Motion for Discussion and Action:

OLD BUSINESS:

NEW BUSINESS:

COMMENTS FROM WORKING GROUP MEMBERS:

NEXT MEETING DATE: _____ **Time:** _____ **Place:** _____

Kuskokwim River Salmon Management Working Group

1 (800) 315-6338 (MEET) Code: 58756# (KUSKO)

Information Packet

June 27, 2011

Orutsarmiut Native Council

Kuskokwim River Inseason Subsistence Catch Monitoring Report

Date June 25, 2011

Fishing reports from June 20 –June 24, 2011.

Families Surveyed	Families Fishing	Using Driftnets	Using Setnets	Both	Gillnets More than 6" mesh	Gillnets 6" mesh or less	Both
49	44	31	6	7	24	11	8

Compared with this time in a normal year, how are catch rates for salmon this week?

Chinook			Chum			Sockeye		
Very Good	Normal	Poor	Very Good	Normal	Poor	Very Good	Normal	Poor
6	10	28	9	16	15	10	26	4

Does the salmon run appear to be running early, late, or normal?

Chinook			Chum			Sockeye		
Early	Normal	Late	Early	Normal	Late	Early	Normal	Late
3	23	9	1	29	6	2	32	1

Comments: Salmon Fishing was closed in the survey area for a 5-day Chinook conservation closure beginning 12:01 am Thursday, June 23, through 12:01 Tuesday, June 28. Thus, this survey report reflects subsistence fishing effort for the time-period of Monday, June 20, through Wednesday, June 22. 49 families were surveyed this week for the in-season subsistence monitoring program. 44 (90%) of the families were fishing this week. 5 (10%) of the families did not fish this week. 31 (70%) families reported using drift nets. 6 (14%) families reported using set nets. 7 (16%) families reported using both. 24 (55%) of the families fishing used gill nets greater than 6-inch mesh. Most using the greater than 6-inch category referred to using specifically 8-inch mesh called "king gear," but some indicated they were using 7-inch gear. 11 (25%) of the families reported 6-inch mesh or less. 8 (18%) families reported using both.

1 family interviewed the fisher was not present and they were not sure what size mesh was used that week.

Some interviewed this week had just completed their harvest goals for Chinook. Others had some Chinook drying on the rack but planned to fish more to meet their harvest goals for the year if there was an opportunity. Some indicated they did not have as much Chinook as they normally put up for their families for the year but planned to target more Sockeye to make up for the difference. A couple of elders that indicated they had started fishing at their normal time in mid-June had net or boat repairs that kept them from fishing during this 3-day subsistence opening. They were concerned about being able to catch enough kings for their extended family after the 5-day closure, since they only had a handful of Chinook so far. A few elders also expressed they were concerned about the rush to fish that occurred before the closure, both out of concern that few fish would pass through to spawning grounds and the difficulty to fish in usual places because the river was so congested with boats.

The majority of families interviewed was satisfied with catches so far and were well underway to meeting their salmon harvest goals for the season. Some families indicated that they were fishing a little less in order to conserve Chinook. Many planned to resume fishing for a few more kings and to target sockeye specifically after the closure to meet their family's salmon needs for the year. All families indicated the weather had still been decent for drying fish this week. Some families expressed concern that the weather would be rainy after the fishing closure which would make drying fish more prone to spoiling.

Some families were still reporting that they had switched to smaller mesh gear to target more abundant smaller Chinook and that they were catching fewer females than usual. A few fishers indicated that Chinook were getting smaller each year, even though many fishers caught larger and more female kings in the last day or two of the subsistence opening. A few families were already catching Chinook slightly blush with spawning colors.

Chinook:

Catch rate: Of the 44 families fishing this week, 6 (14%) families reported the Chinook catch as very good, 10 (22%) families reported the catch as normal, 28 (64%) families reported it as poor. Many fishers noted using 8-inch "king gear" but others noted they switched to smaller mesh gear (6-inch or 5.5-inch) to catch smaller kings and to prevent fish from hitting the net and getting through it. Some reported using both "king gear" and 6-inch or less to increase their catch rate because of the greater percentage of small kings. Most noted they had better catch rates of Chinook with the smaller size mesh this week but more fishers reported some larger Chinook showing up a day or two before the closure. Several fishers commented that the water levels were low and clear which may allow fish to see the nets or swim deeper. These fishers noted better catches at night with less visibility and an overall majority of catches near the bottom of the net just above the lead line.

Run timing: Of the 44 families that reported fishing this week, 3 (7%) families reported the run as early, 23 (52%) families reported the run timing as normal, and 9 (20%) families reported the run to be late this year. 9 (20%) families did not comment on run timing. Many noted their own fishing pattern was different this year due to the closures and so they felt they didn't have a good sense of what stage the run was at.

Chum:

Catch Rate: 9 (21%) families reported their catch rates as good. 16 (36%) families reported their catches as normal. 15 (35%) families reported their chum catches as poor. 4 (9%) families didn't report due to no chum catches yet or felt that catches were only a reflection of by-catch in 8-inch mesh.

Run timing: 1 (2%) family reported the run return as early. 29 (66%) families reported the salmon run timing as normal. 6 (14%) families reported the run to be late compared to previous years. 8 (18%) families were unable to report due to few chum catches yet.

Sockeye:

Catch Rate: 10 (23%) families reported their catch rates as good. 26 (59%) families reported their catches as normal. 4 (9%) families reported their sockeye catches as poor. 4 (9%) families didn't report due to not targeting sockeye yet. Some fishers indicated getting good catches of large robust sockeye this year and hoped to dry more sockeye to make up for smaller Chinook harvests.

Run timing: 2 (5%) families reported the run return as early. 32 (73%) families reported the salmon run timing as normal. 1 (2%) family reported the run to be late compared to previous years. 9 (20%) families were unable to report on run timing due to not specifically targeting sockeye yet.

ONC Inseason Subsistence Surveys – 2011 Current and Historical Catch Rate Information

Responses from the question: "Compared with this time in a "Normal" year, how were catch rates for salmon this week?"
 "ND" indicates that no data was collected because respondents felt it was too early in the run to assess this information.

Year	Week Ending	Number of Families			Chinook salmon			Chum salmon			Sockeye salmon		
		Inter-viewed	Fishing	Not Fishing	Very Good	Normal	Poor	Very Good	Normal	Poor	Very Good	Normal	Poor
2011	Jun 05	36	11	25	36%	36%	0	ND	ND	ND	9%	9%	0
	Jun 12	69	41	28	7%	34%	49%	10%	46%	10%	10%	46%	7%
	Jun 19	57	56	1	25%	38%	37%	14%	52%	20%	14%	57%	18%
	Jun 26	49	44	5	14%	22%	64%	21%	36%	34%	23%	59%	9%
2010	Jun 06	19	6	13	0	100%	0	ND	ND	ND	ND	ND	ND
	Jun 13	39	28	11	4%	50%	46%	0	72%	28%	ND	ND	ND
	Jun 20	26	23	3	9%	65%	26%	0	100%	0	0	96%	4%
	Jun 27	37	37	0	3%	73%	24%	3%	92%	5%	5%	81%	14%
	Jul 04	38	36	2	8%	69%	22%	14%	78%	8%	3%	69%	28%
	Jul 11	20	11	9	0	91%	0%	27%	64%	0	18%	55%	18%
2009	Jun 07	20	6	14	0	67%	33%	ND	ND	ND	ND	ND	ND
	Jun 14	43	38	5	29%	50%	21%	0	100%	0	0	100%	0
	Jun 21	44	44	0	41%	36%	23%	0	100%	0	0	86%	14%
	Jun 28	36	31	5	39%	55%	6%	3%	77%	9%	6%	71%	23%
	Jul 05	36	5	31	0	100%	0	0	100%	0	0	100%	0
	Jul 12	36	2	34	0	100%	0	0	100%	0	0	100%	0
2008	Jun 08	27	5	22	20%	60%	0	ND	ND	ND	ND	ND	ND
	Jun 16	34	17	17	0	76%	24%	0	100%	0	0	100%	0
	Jun 22	32	27	5	56%	44%	0	0	74%	26%	81%	19%	0
	Jun 29	33	27	6	52%	48%	0	15%	85%	0	56%	44%	0
	Jul 08	35	15	20	20%	80%	0	0	100%	0	47%	53%	0
	Jul 13	32	3	29	0	100%	0	33%	67%	0	0	100%	0
2007	Jun 03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Jun 12	39	28	11	0	29%	71%	ND	ND	ND	ND	ND	ND
	Jun 17	40	33	7	0	30%	70%	ND	ND	ND	ND	ND	ND
	Jun 24	44	40	4	0	35%	65%	ND	ND	ND	ND	ND	ND
	Jul 02	36	20	12	45%	45%	10%	80%	20%	0	0	40	60%
	Jul 08	33	10	23	60%	40%	0	80%	20%	0	30%	70%	0
	Jul 14	33	6	27	0	0	100	0	33%	67%	0	17%	83%
2006	Jun 03	22	0	22	0	0	0	ND	ND	ND	ND	ND	ND
	Jun 10	32	19	13	32%	68%	0	0	0	0	ND	ND	ND
	Jun 17	36	30	6	60%	40%	0	60%	40%	0	53%	47%	0
	Jun 25	48	43	5	79%	21%	0	91%	9%	0	19%	56%	26%
	Jul 02	46	14	32	21%	79%	0	71%	29%	0	43%	57%	0
	Jul 09	38	8	30	0	100%	0	25%	75%	0	37%	63%	0
	Jul 17	26	5	21	0	100%	0	100	0	0	0	100%	0

KNA Weekly Subsistence Fishing Reports, June 18 to June 24, 2011

*NR = No Response

VILLAGE	FAMILY	FISHING Y/N	GEAR TYPE	MESH SIZE	SPECIES	RUN COMPARED TO RECENT YEARS	AVERAGE # FISH CAUGHT DAILY
Kalskag	FAMILY A	Yes	Set Net	NR			
Comments: Interviewed: 06-23-11 Thursday Since last contacted, caught 6 reds, 13 kings, and 9 dogs. Said the fish numbers are going up. Would like to say thank you for whatever the working group is doing; it's working and much appreciated.					Sockeye	NR	6 (week total)
					Chinook	NR	13 (week total)
					Coho	NR	0
					Chum	NR	9 (week total)
Kalskag	FAMILY B	Yes	Set Net	NR			
Comments: Interviewed: 06-23-11 Thursday Since last contacted, caught 4 reds and 5 kings. Salmon run still below average.					Sockeye	Below Average	4 (week total)
					Chinook	Below Average	5 (week total)
					Coho	Below Average	0
					Chum	Below Average	0
Aniak	FAMILY C	Yes	Drift Net	7", 5 1/4 "			
Comments: Interviewed 06/24/11 Friday Drifted using a 7" king net and a 5 1/4" red net. Caught 17 kings (1 female king so far), 41 chum, and 12 sockeye. Mentioned the fishing is still not good, there are hardly any big kings, they are all small. The closure downriver doesn't seem to be helping up here, we can barely see a change.					Sockeye	NR	12
					Chinook	NR	17
					Coho	NR	0
					Chum	NR	41
Aniak	FAMILY D	Yes	Drift Net	6"			
Comments: Interviewed: 06-24-11 Friday Drifted 3 times and caught 3 sockeye, 1 Chinook and 19 chum. Mentioned there are usually more kings this time of year, Things seem to be below average.					Sockeye	Below Average	3 (week total)
					Chinook	Below Average	1 (week total)
					Coho	NR	0
					Chum	Below Average	19 (week total)
Aniak	FAMILY E	Yes	Drift Net	6"			
Comments: Interviewed 6/23/11 Thursday Have been fishing on and off since last contacted. Caught 5 chum and 2 jack kings. The numbers are below average for the king salmon and the kings caught are all small.					Sockeye	Below Average	0
					Chinook	Below Average	2 (week total)
					Coho	Below Average	0
					Chum	Below Average	5 (week total)

KNA Weekly Subsistence Fishing Reports, June 18 to June 24, 2011 (Continued)

*NR = No Response

VILLAGE	FAMILY	FISHING Y/N	GEAR TYPE	MESH SIZE	SPECIES	RUN COMPARED TO RECENT YEARS	AVERAGE # FISH CAUGHT DAILY
Chuathbaluk	FAMILY G	Yes	Drift Net	"dog"			
<u>Comments:</u> Interviewed: 06-23-11 Thursday Just started drifting, only caught 2 kings so far. The closure was good to have again because there's hardly any fish upriver.					Sockeye	NR	0
					Chinook	NR	2 (week total)
					Coho	NR	0
					Chum	NR	0
Chuathbaluk	FAMILY H	Yes	Drift Net	7 1/4"			
<u>Comments:</u> Interviewed: 06-23-11 Thursday Since last contacted, caught 27 kings, 50 dogs, and 20 reds. Fishing is picking up and doing better with the closure down river.					Sockeye	NR	20
					Chinook	NR	27
					Coho	NR	0
					Chum	NR	50
Crooked Creek	FAMILY I	Yes	Drift Net	7"			
<u>Comments:</u> Interviewed: 06-22-11 Wednesday Monday: 2 drifts caught 1 dog. Way below average.					Sockeye	Below Average	0
					Chinook	Below Average	0
					Coho	Below Average	0
					Chum	Below Average	1 (week total)
Crooked Creek	FAMILY J	Yes	Drift Net	5 3/4"			
<u>Comments:</u> Interviewed: 06-23-11 Thursday In the past week have caught a total amount of 6 kings, 3 dogs, and 1 red. Fishing is still below average.					Sockeye	Below Average	1 (week total)
					Chinook	Below Average	6 (week total)
					Coho	Below Average	0
					Chum	Below Average	3 (week total)
Sleetmute	FAMILY K	Yes	Set Net	NR			
<u>Comments:</u> Interviewed: 06-23-11 Thursday Caught 8 kings and 1 red in this last week. Would say for sure the salmon size is below average. Below average fishing.					Sockeye	Below Average	1 (week total)
					Chinook	Below Average	8 (week total)
					Coho	Below Average	0
					Chum	Below Average	0

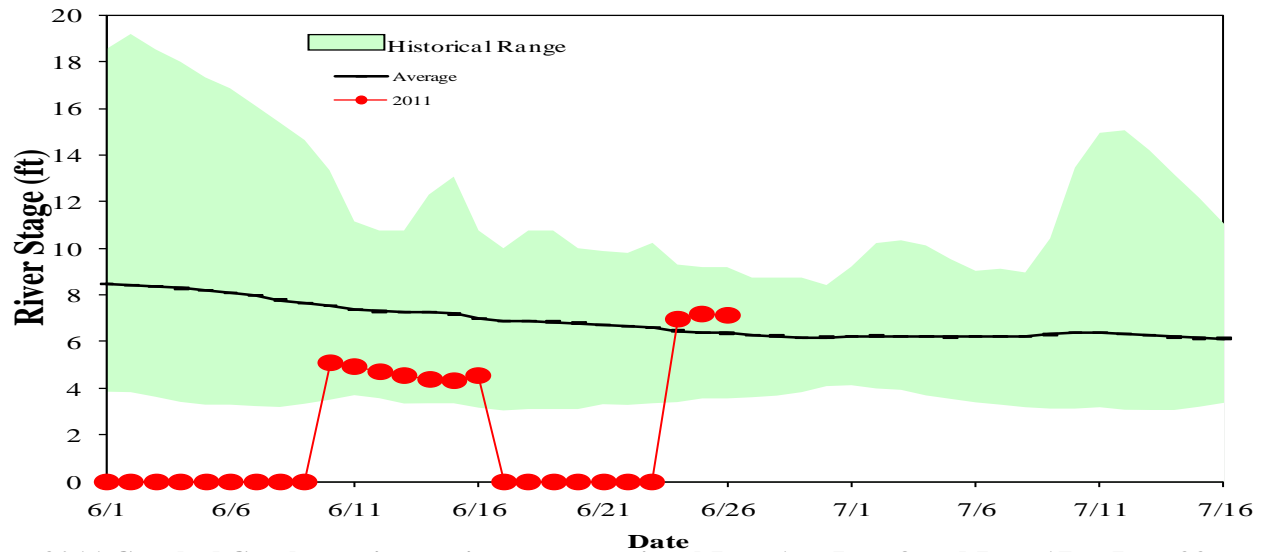
KNA Weekly Subsistence Fishing Reports, June 18 to June 24, 2011 (Continued)

*NR = No Response

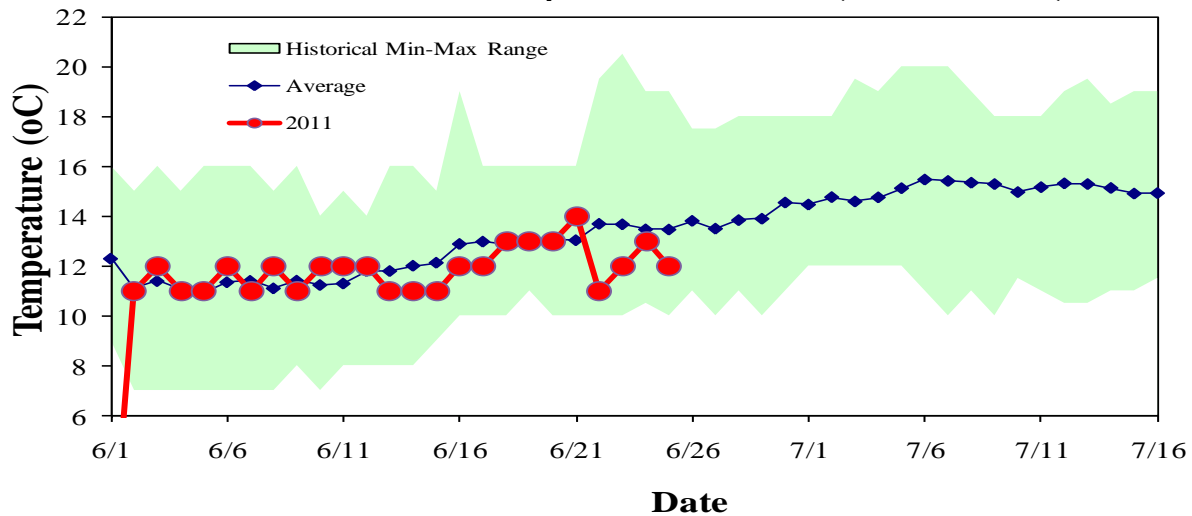
VILLAGE	FAMILY	FISHING Y/N	GEAR TYPE	MESH SIZE	SPECIES	RUN COMPARED TO RECENT YEARS	AVERAGE # FISH CAUGHT DAILY
Stony River	FAMILY L	Yes	Fish Wheel	NR			
<u>Comments:</u> Interviewed: 06-23-11 Caught 3 small female kings since last contacted. Still below average for fishing. Said KNA doing this report is a good idea because it lets people know how bad fishing is upriver.					Sockeye	NR	0
					Chinook	NR	3 (week total)
					Coho	NR	0
					Chum	NR	0
<u>KNA Comments:</u> The following participant families have not been able to contact: Aniak (1 family), McGrath (1 family) The following participant families have not started fishing yet: Sleetmute (1 family contacted)							

OVERVIEW OF KUSKOKWIM RIVER SALMON RUN ASSSSMENT PROJECTS

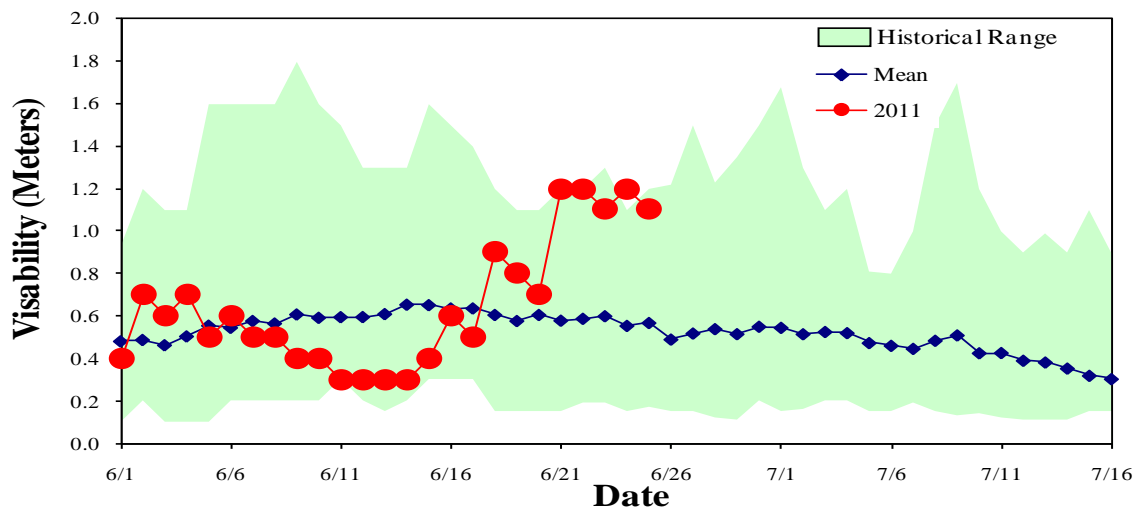
Historical Kuskokwim River Water Level at Crooked Creek (1984 to Present)



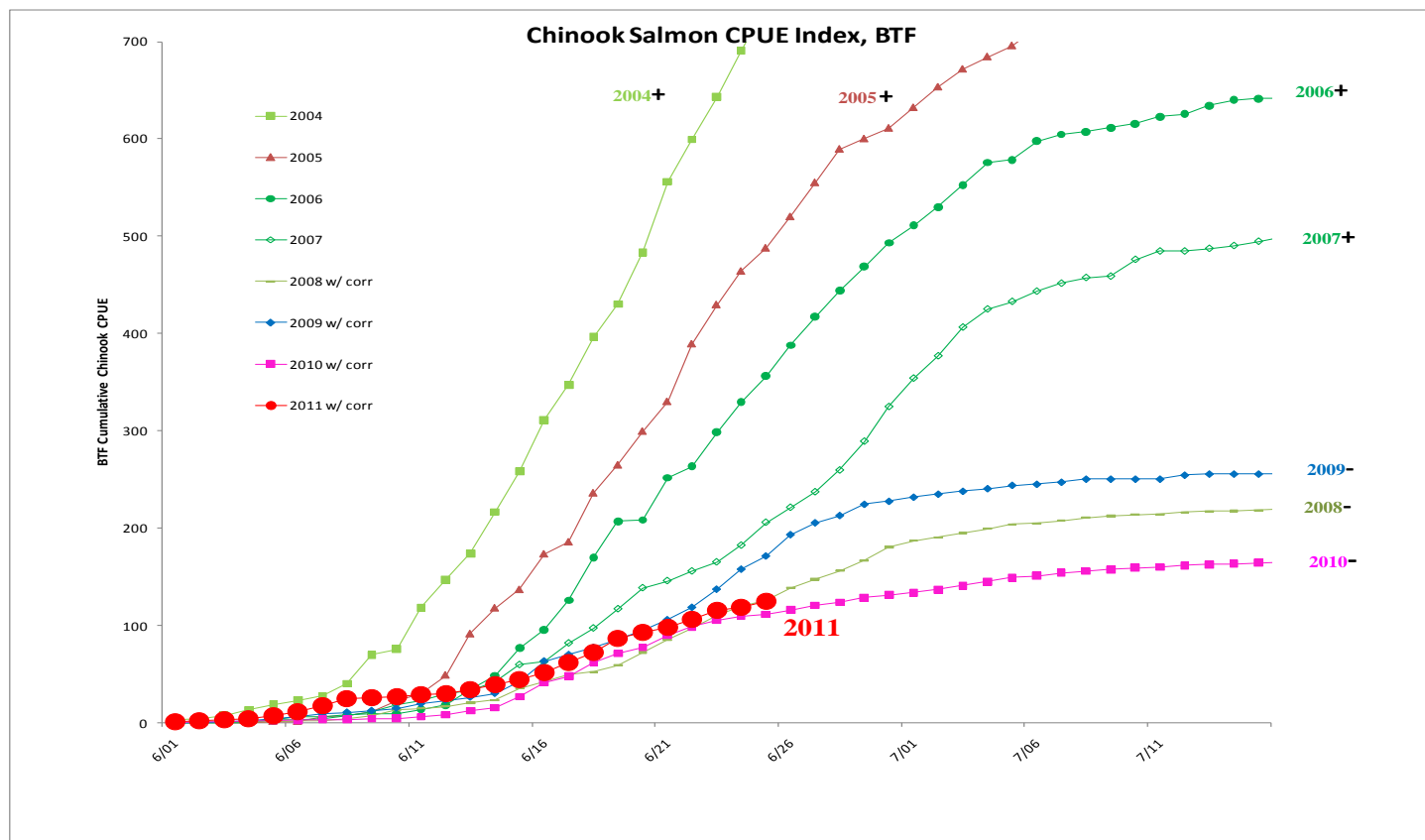
Historical Water Temperature at BTF Site (1984 to Present)



Historical Kuskokwim River Water Clarity at BTF (1984 to Present)

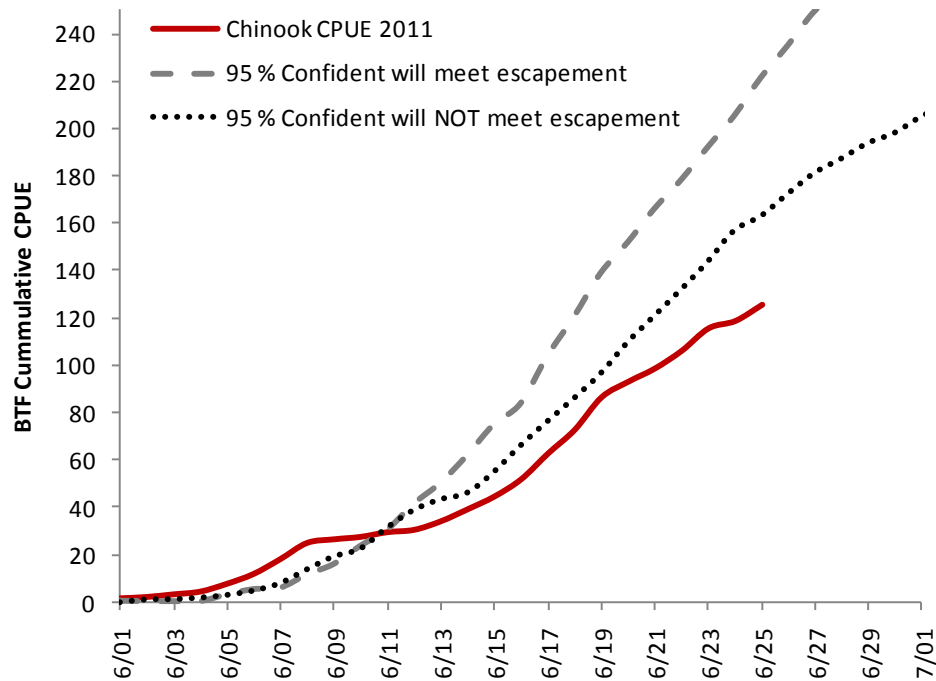


Chinook Salmon Cumulative CPUE Index, Bethel Test Fishery



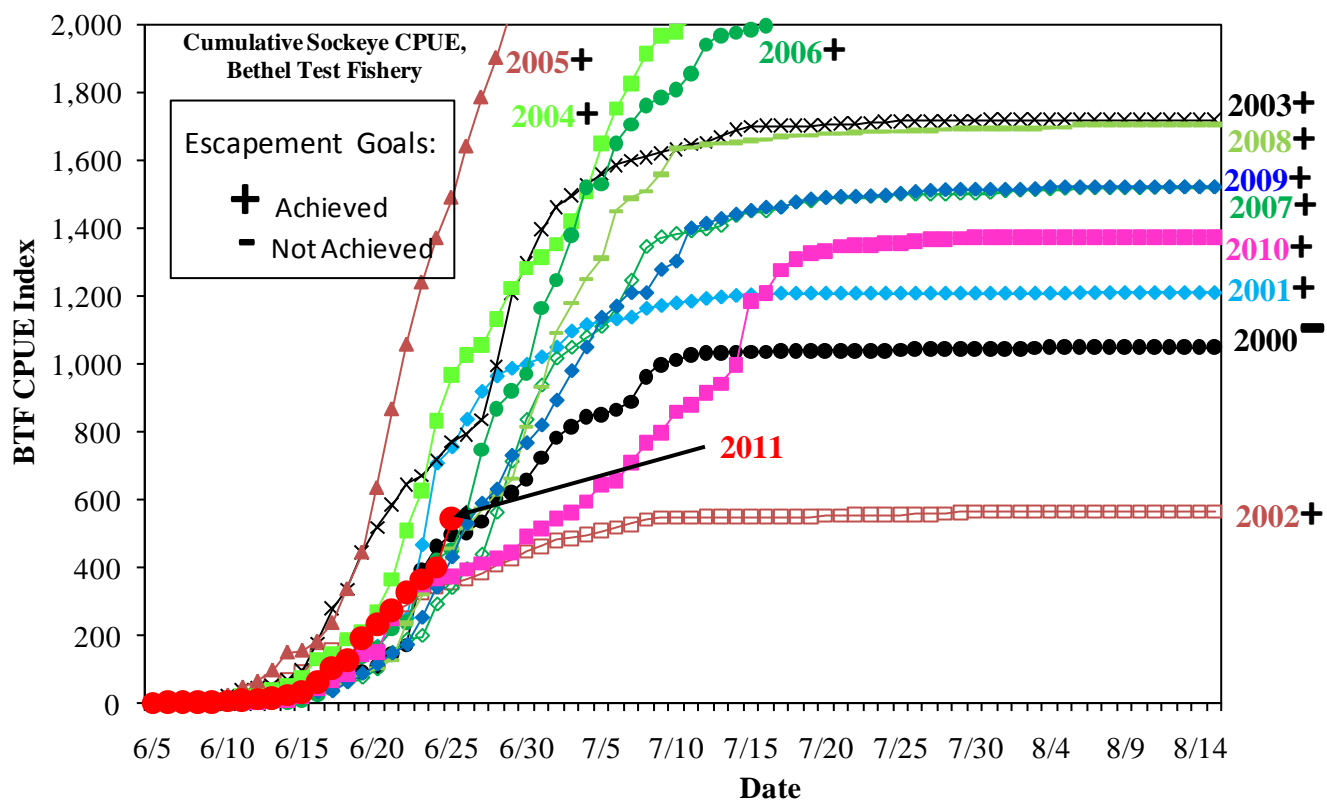
Chinook Salmon Cumulative CPUE Index, BTF								
Date	2004	2005	2006	2007	2008	2009	2010	2011
6/11	118	30	14	23	15	19	6	29
6/12	147	49	18	30	17	23	8	30
6/13	174	91	33	33	21	26	12	34
6/14	217	118	48	42	23	30	15	39
6/15	258	137	77	60	35	42	27	44
6/16	311	173	96	62	42	63	41	52
6/17	347	186	126	82	50	70	48	62
6/18	396	236	170	97	52	77	62	72
6/19	430	265	207	117	59	86	71	86
6/20	484	299	208	138	72	95	77	93
6/21	556	330	252	146	85	106	90	98
6/22	600	389	263	156	97	118	99	106
6/23	643	430	298	165	110	137	105	115
6/24	691	464	329	182	119	158	109	118
6/25	738	488	356	206	126	171	111	125
6/26	785	520	388	221	139	193	116	
6/27	801	555	417	237	148	205	121	
6/28	848	589	444	259	156	213	124	
6/29	893	600	469	289	167	224	129	
6/30	928	611	493	325	181	227	131	
7/1	951	632	511	354	187	232	134	

2011 Chinook Run Assessment; Bethel Test Fish



- If BTF tracks *below* the *dotted* line, we are 95% confident that escapement goals will NOT be met for the Kwethluk and Tuluksak Rivers
- If BTF tracks *above* the *dashed* line, we are 95% confident that escapement goals will be met for the Kwethluk and Tuluksak Rivers.

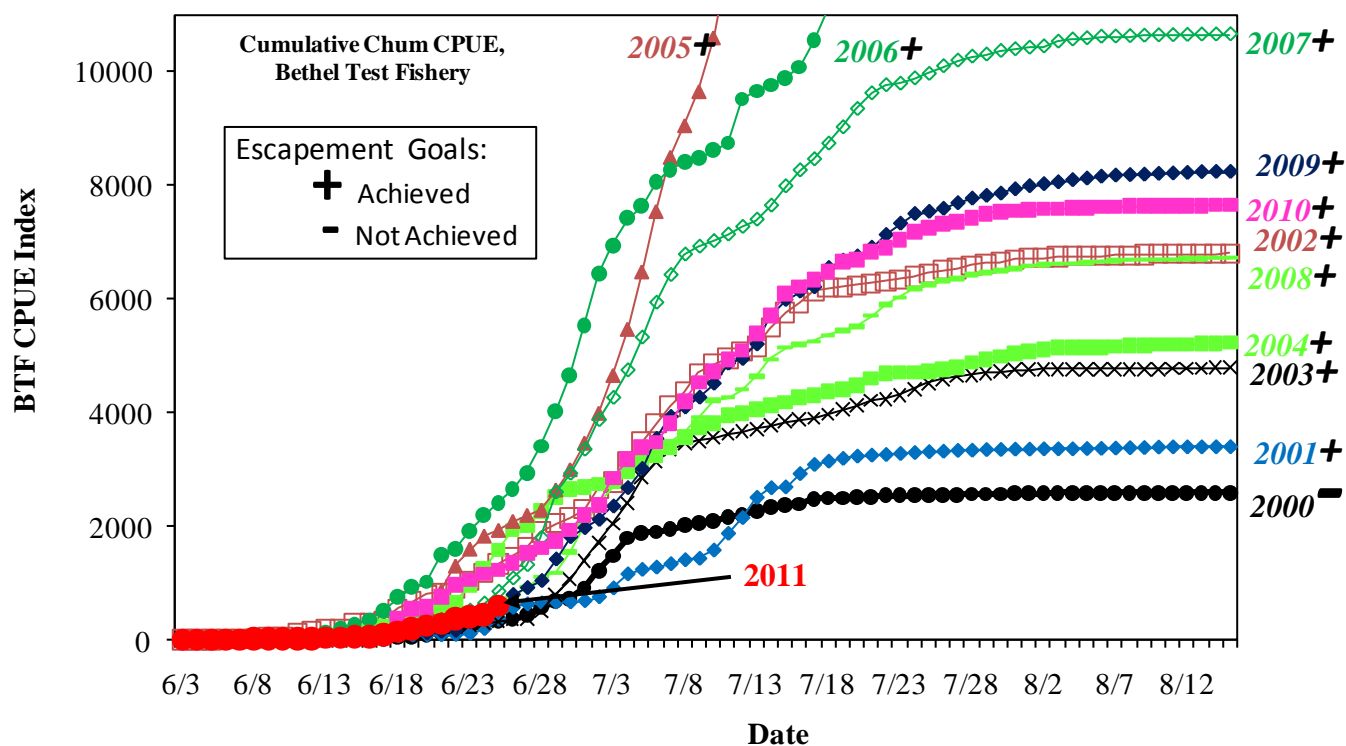
Sockeye Salmon Cumulative CPUE Index, Bethel Test Fishery



Sockeye Salmon Cumulative CPUE Index

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
6/05	0	0	0	0	0	6	0	0	0	0	0	0
6/06	0	9	0	0	0	6	0	0	0	0	0	3
6/07	0	9	0	0	0	6	0	0	0	0	0	4
6/08	0	9	0	0	0	6	0	0	0	1	0	4
6/09	3	9	3	5	8	11	0	0	0	4	0	4
6/10	6	11	8	24	11	22	0	0	0	4	0	7
6/11	20	11	18	38	22	46	0	0	0	7	0	10
6/12	31	17	35	46	27	63	3	3	0	10	3	13
6/13	37	23	61	54	38	96	3	17	3	13	6	15
6/14	45	23	67	67	49	149	3	23	6	13	6	24
6/15	48	26	92	97	77	154	11	31	34	16	21	33
6/16	51	38	138	176	130	181	24	36	45	31	46	62
6/17	57	100	158	279	145	236	42	50	48	34	65	102
6/18	71	123	174	335	189	336	81	60	62	61	84	126
6/19	91	152	196	446	212	444	136	74	87	86	142	191
6/20	108	166	240	518	270	634	160	98	102	113	149	231
6/21	146	219	272	585	364	866	219	147	128	146	251	274
6/22	172	249	290	646	509	1,056	239	186	237	171	323	326
6/23	395	465	325	670	628	1,239	350	197	320	251	347	365
6/24	461	706	346	718	833	1,370	422	290	381	340	366	400
6/25	499	754	353	771	966	1,489	454	338	455	429	375	543
6/26	505	836	368	793	1,027	1,640	556	393	518	528	394	
6/27	536	918	385	836	1,055	1,785	748	436	572	588	411	
6/28	605	963	407	994	1,133	1,901	869	560	619	629	428	
6/29	622	986	424	1,207	1,222	2,052	920	710	660	729	446	
6/30	660	998	446	1,296	1,283	2,204	971	833	813	766	491	
7/01	724	1,020	464	1,395	1,315	2,298	1,164	934	933	818	515	

Chum Salmon Cumulative CPUE Index, Bethel Test Fishery



Chum Salmon Cumulative CPUE Index

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
6/03			0	0	3	0	0	0	0	0	0	0
6/04			0	0	8	0	0	0	0	0	4	3
6/05	3	3	0	0	11	0	3	0	0	3	6	3
6/06	9	3	8	0	11	0	9	0	0	4	6	3
6/07	9	3	8	0	11	0	9	3	0	4	6	3
6/08	12	3	11	0	14	0	12	3	6	6	6	6
6/09	15	3	41	0	22	0	12	3	9	9	6	11
6/10	18	3	50	6	22	0	15	8	9	9	9	17
6/11	18	3	103	8	25	13	35	11	12	9	9	22
6/12	18	3	146	11	34	25	41	11	18	12	15	22
6/13	18	9	180	17	71	38	133	23	18	14	26	31
6/14	18	9	202	30	110	49	210	34	20	20	31	39
6/15	18	9	285	49	144	87	266	57	41	42	50	60
6/16	18	11	299	77	179	95	350	74	66	69	86	63
6/17	20	17	338	103	229	131	499	94	80	75	133	85
6/18	29	53	552	108	310	188	747	110	94	91	386	135
6/19	43	67	665	148	371	252	927	138	106	99	542	199
6/20	86	73	801	198	450	537	1012	258	161	105	588	241
6/21	124	73	836	226	547	844	1482	343	190	135	764	276
6/22	155	78	903	235	659	1288	1595	407	264	149	954	371
6/23	224	98	1047	270	959	1587	1916	506	337	301	1049	414
6/24	250	183	1181	291	1260	1817	2188	632	437	397	1163	433
6/25	324	346	1329	312	1583	1918	2412	840	598	532	1224	597
6/26	363	557	1466	349	1926	2077	2646	1075	753	783	1340	
6/27	435	619	1622	375	2014	2183	2941	1308	921	904	1524	
6/28	574	637	1897	496	2271	2273	3402	1783	1099	1028	1613	
6/29	676	651	2048	791	2514	2631	4031	2589	1176	1407	1738	
6/30	727	654	2136	1059	2653	2989	4660	2917	1550	1800	1931	
7/01	908	676	2299	1387	2690	3455	5530	3341	2010	1959	2196	

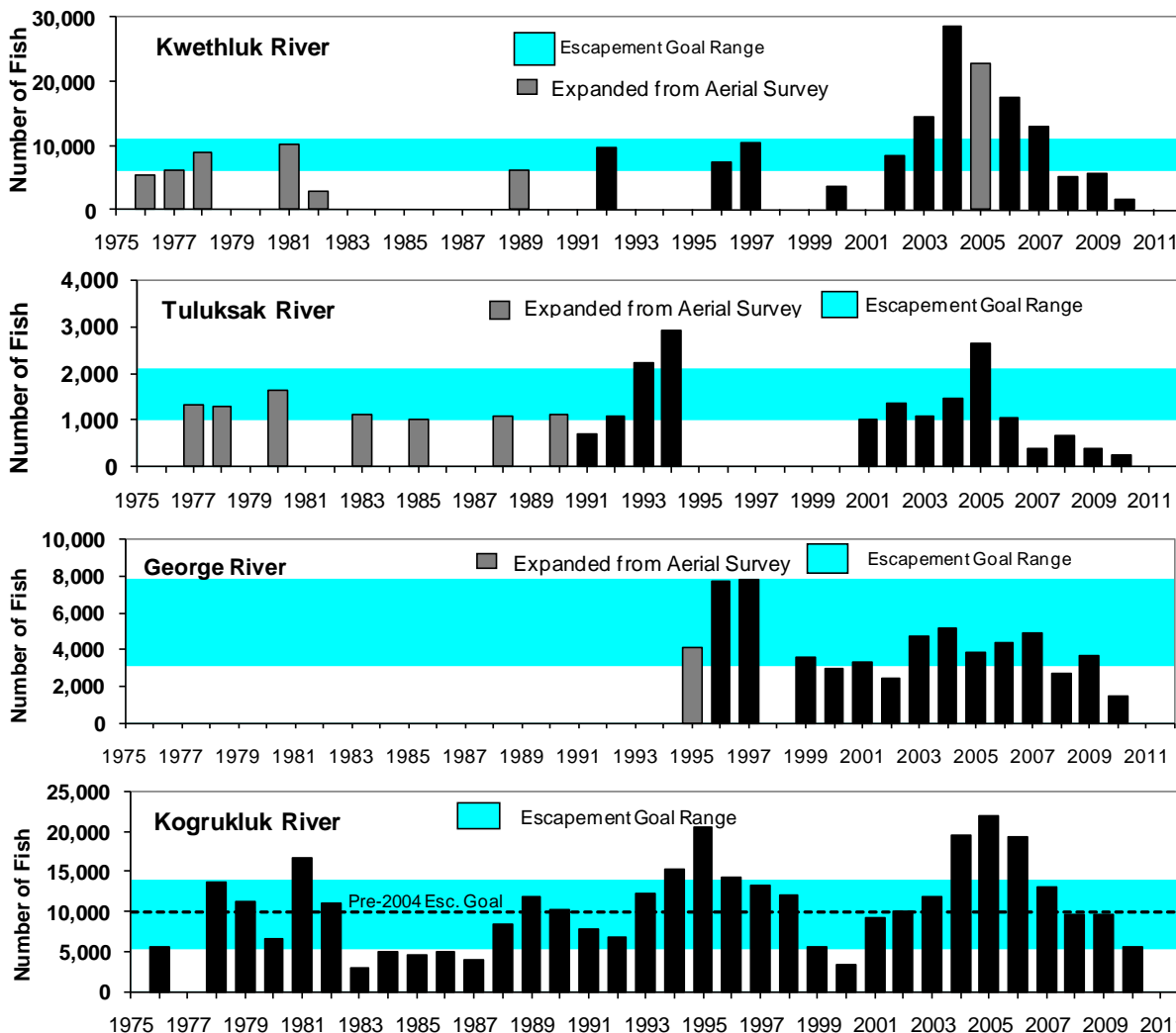
ESCAPEMENT MONITORING

Status of Salmon Assessment Projects as of June 26, 2011

- Tuluksak River Weir became operational on 25 June. No salmon seen passing the weir. One chum salmon observed above the weir site.
- Kwethluk River Weir installation will begin when water levels permit.
- Aniak River Sonar on Schedule to begin operations early this week.
- George, Kogrukluk and Tatlawiksuk River Weirs installed and counting. Count information detailed below.
- Takotna River Weir currently being installed. Expected to be fish tight by midweek.
- Telaquina River Weir crew staging for transport to the weir site early this week.

CHINOOK SALMON -Weir Escapement Goal Ranges

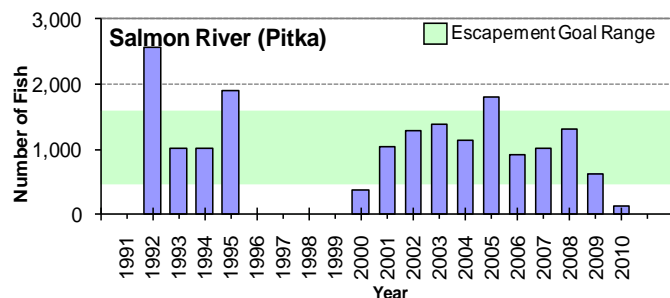
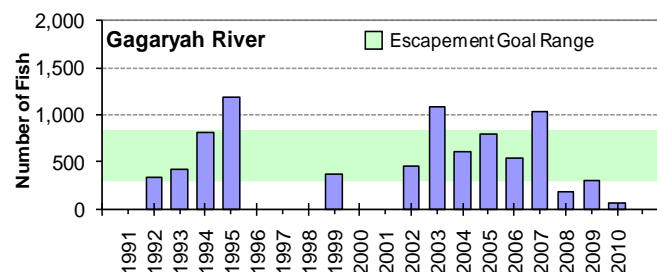
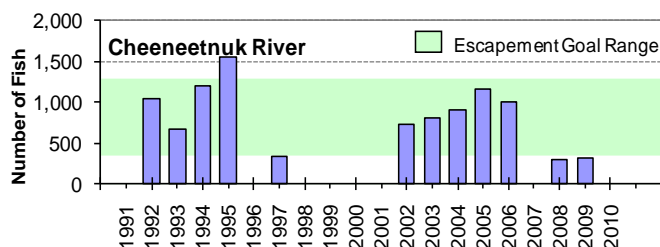
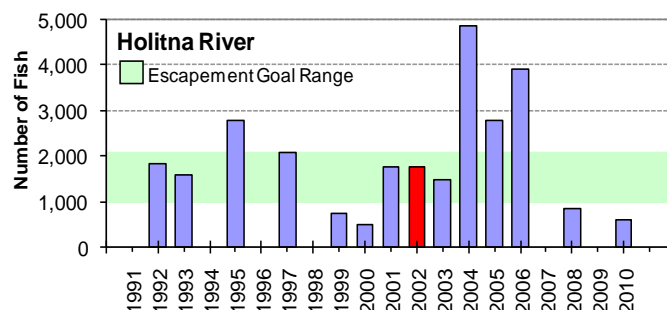
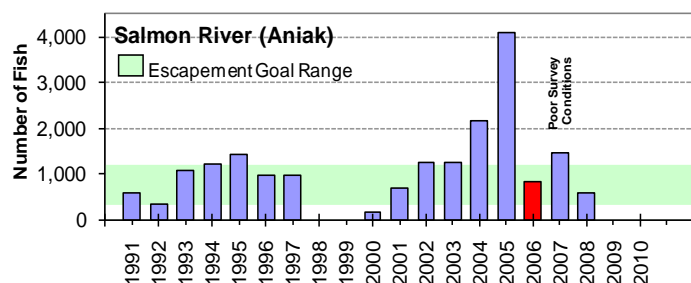
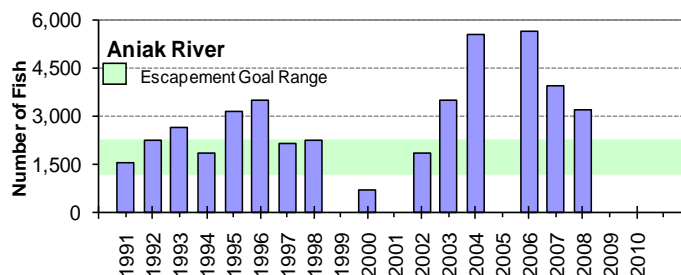
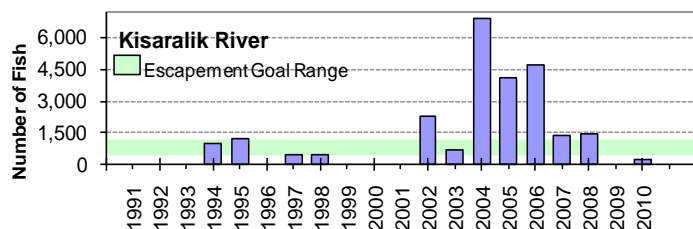
Kwethluk River	6,000 – 11,000
Tuluksak River	1,000 – 2,100
George River	3,100 – 7,900
Kogrukluk River	5,300 – 14,000



ESCAPEMENT MONITORING *(Continued)*

CHINOOK SALMON – Aerial Survey Escapement Goal Ranges

Kisaralik River	400 – 1,200
Aniak River	1,200 – 2,300
Salmon River (Aniak R)	330 – 1,200
Holitna River	970 – 2,100
Cheeneetnuk R (Stony R)	340 – 1,300
Gagaryah River (Stony R)	300 – 830
Salmon River (Pitka Fork)	470 – 1,600



ESCAPEMENT MONITORING *(Continued)*

CHINOOK SALMON – Weir Counts

George River weir historical cumulative daily Chinook salmon escapement.

= years below escapement goal.

Esc Goal: 3,100 to 7,900

Date	Cumulative Daily Passage												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GEO Total	3,548	2,960	3,309	2,444	4,693	5,207	3,845	4,357	4,883	2,698	3,663	1,500	
6/20	0 b	0	0 b	0 b	22 b	17 b	45	7	1	2	5	0	0
6/21	0 b	0	0 b	3 e	46 b	26 b	48	11	1	2	6	0	0
6/22	0 b	2	2 b	58	76 b	34 b	104	19	1	4	6	0	5
6/23	9 b	12	13 b	98	120 b	38 b	125	20	2	5	6	3	6
6/24	14 b	23	25 b	103	130 b	40 b	231	22	3	6	9	5	6
6/25	19 b	28	31 e	111	293 b	47 b	303	25	3	7	10	6	7
6/26	33 b	29	46	141	499 b	99 b	363	26	3	9	16	10	
6/27	43 b	149	62	165	636 b	409	506	31	13	11	19	10	
6/28	76 b	149	162	208	881 b	639	620	72	13	15 e	20	10	

Tatlawiksuk River weir historical cumulative daily Chinook salmon escapement.

= years of generally low Chinook salmon escapements in the Kuskokwim River.

Esc Goal: none

Date	Cumulative Daily Passage												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
TAT Total	1,490	810	2,010	2,237	1,683	2,833	2,920	1,700	2,061	1,071	1,071	567	
6/20	0	4	0	0	0	19	3	0	0	0	0	0	0
6/21	0	4	1	1	0	21	9	0	0	0	2	0	1
6/22	0	5	3	20	6	22	16	0	0	0	2	1	1
6/23	4	5	4	87	6	22	19	0	0	0	2	1	1
6/24	6	15	7	90	11	33	25	0	0	0	2	1	1
6/25	8	15	12	92	24	107	30	1	2	0	2	1	3
6/26	14	35	83	100	43	348	57	4	10	2	5	2	
6/27	18	37	101	617	46	369	67	26	13	2	9	3	
6/28	32	42	139	638	198	453	72	29	36	2	11	4	

Kogrukluk River weir historical cumulative daily Chinook salmon escapement.

= years below escapement goal.

Esc Goal: 5,300 to 14,000

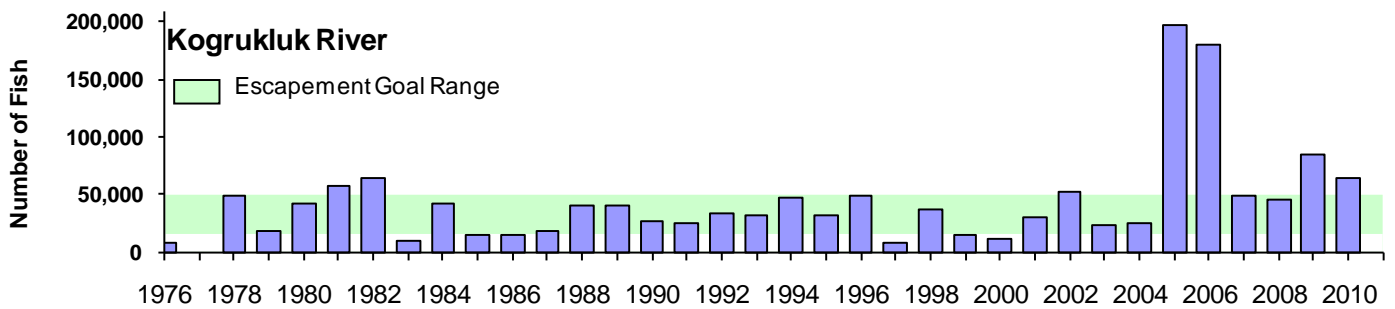
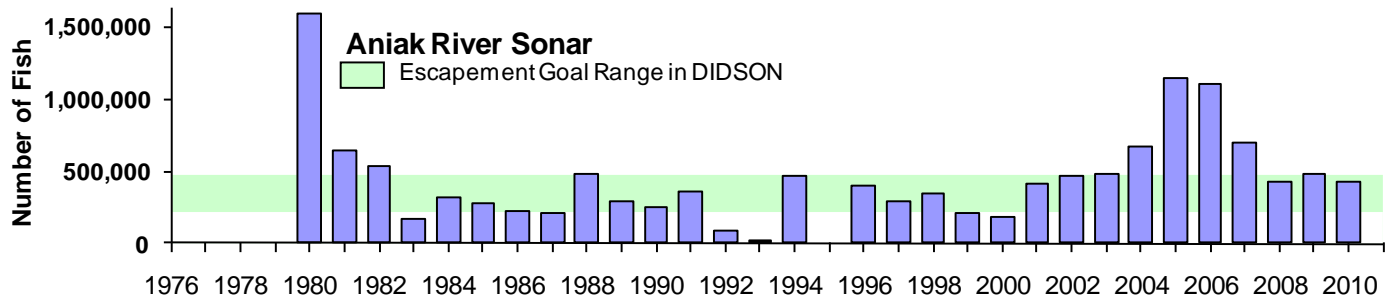
Date	Cumulative Daily Passage												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
KOG. Esc.	5570	3,310	9,298	10,104	11,771	19,651	22,000	19,414	13,029	9,730	9,702	5,690	
6/20													
6/21			1 b		0	0							0
6/22			4 b		1	0	1						0
6/23			11 b		1	9	2						0
6/24			20 b		1	9	2						0
6/25			36 b		8	56	60				0		0
6/26			64 b	15	13	107	118		0 d		0		
6/27			108 b	158	37	215	154		1		0	1	
6/28			137 b	261	77	302	210	0 d	2		5	3	

ESCAPEMENT MONITORING *(Continued)*

CHUM SALMON – Escapement Goal Ranges

Aniak River 220,000 – 480,000
Kogrukluk River 15,000 – 49,000

Sonar/Index
Weir



ESCAPEMENT MONITORING *(Continued)*

CHUM SALMON – Weir Counts

George River weir historical cumulative daily chum salmon escapement.

= years of generally low chum salmon escapements in the Kuskokwim River.

Esc Goal: none

Date	Cumulative Daily Passage												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
GEO Total	11,552	3,492	11,601	6,543	33,666	14,409	14,828	41,467	55,842	29,978	7,941	26,154	
6/20	0 b	0	0 b	5 b	89 b	298 b	34	48	6	1	11	0	36
6/21	0 b	5	17 b	16 e	137 b	436 b	42	97	6	1	22	6	67
6/22	0 b	11	36 b	123	150 b	552 b	60	255	7	19	23	7	109
6/23	0 b	49	162 b	181	161 b	672 b	75	451	26	31	24	15	126
6/24	21 b	66	219 b	204	173 b	692 b	134	631	47	53	28	88	156
6/25	29 b	83	275 e	328	184 b	851 b	169	897	53	104	34	125	175
6/26	50 b	84	285	573	195 b	1,353 b	192	1,123	68	130	59	206	
6/27	79 b	174	302	691	256 b	2,236	257	1,390	244	266	60	237	
6/28	157 b	174	341	928	353 b	2,838	318	2,014	313	400 e	68	274	

Tatlawiksuk River weir historical cumulative daily chum salmon escapement.

= years of generally low chum salmon escapements in the Kuskokwim River.

Esc Goal: none

Date	Cumulative Daily Passage												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
TAT Total	9,599	6,965	23,718	24,542	n.a.	21,245	55,720	32,301	83,246	30,896	19,975	36,701	
6/20	0	4	0	18	0	233	19	3	2	2	7	0	19
6/21	0	6	3	60	0	286	28	6	5	5	16	3	40
6/22	0	13	7	228	1	367	41	18	5	10	18	8	52
6/23	0	14	37	490	6	438	48	76	10	15	18	8	66
6/24	18	32	59	518	12	607	80	191	25	22	20	11	83
6/25	25	62	120	621	16	1,201	95	425	72	45	27	18	117
6/26	43	159	251	1,104	28	1,651	131	690	125	80	47	49	
6/27	68	166	320	1,496	48	1,826	174	1,131	226	129	78	77	
6/28	135	176	463	2,070	154	2,002	230	1,398	468	129	98	251	

Kogruklu River weir historical cumulative daily chum salmon escapement.

= years below escapement goal.

Esc Goal: 15,000 to 49,000

Date	Cumulative Daily Passage												
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
KOG. Esc.	13,820	11,491	30,570	51,570	23,413	24,201	197,723	180,594	49,505	44,978	84,940	63,583	
6/20													
6/21				c	2	0							0
6/22				c	4	15	1						0
6/23				c	14	69	3						3
6/24				c	16	99	4						3
6/25				c	18	196	19				0		5
6/26				c	247	25	289	35	0 d		10		
6/27				c	877	59	438	60	22		25	1	
6/28			6 b	1,351	107	552	105	336 d	37		58	2	

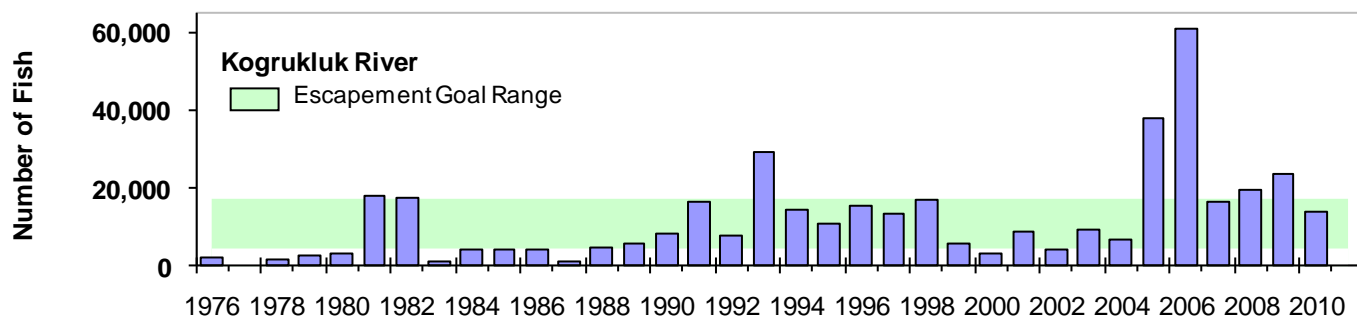
ESCAPEMENT MONITORING (Continued)

SOCKEYE SALMON – Escapement Goal Range

Kogrukluk River

4,440 – 17,000

Weir



COHO SALMON – Escapement Goals

Kwethluk River

19,000

Weir/Lower Bound

Kogrukluk River

13,000 – 28,000

Weir/Range

